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ABSTRACT OF THE DISCLOSURE

Apparatus and methods for determining the presence of a fluid conduit at a predetermined location and at least one characteristic of the fluid in the conduit are disclosed. The apparatus includes a light source for generating radiated light in a direction towards the predetermined location, such that when the fluid conduit is present at the predetermined location the radiated light passes in a direction through the fluid conduit, a first optical sensor for detecting the radiated light through the fluid conduit, and a second optical sensor for detecting the radiated light which is reflected by the fluid conduit.

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